

CHARGE NUMBER: 8101
PROGRAM TITLE: Cigarette Testing Services
SECTION LEADER: Joyce F. Stargardt
PERIOD COVERED: August, 1984

I. METHODOLOGY

A. BORGWALDT CYLINDER VOLUME (H. Early)

Objective:

To computerize the data acquisition of the Borgwaldt CV analysis using an IBM-PC/XT.

Status:

A utility has been added to the cylinder volume data acquisition system to allow the manual entry of oven volatiles data. This utility also uses the oven volatiles data for correcting the cylinder volume data to a 12.5% moisture level.

A second utility was added to the system to produce data files containing the cylinder volume data in the format required by the Laboratory Automation System (LAS).

The LAS formatted files can then be transferred to the DEC 2060 at PM700 via a file transfer protocol called Kermit. The data can then be submitted to the database.

B. RECONSTITUTED LEAF (RL) ATTRITION STUDY (N. Ryan)

Objective:

To determine the precision of microscopic blend separation in various sieve fractions.

Status:

Twelve samples were prepared by Mr. Bob Rogers. The samples consisted of known amounts of RCB and RL of various sieve fractions, combined in a typical Marlboro blend. The RL and RCB tobacco components were microscopically separated from these blends in order to determine the precision of this manual separation process. The RSD of these separations, at the 2-sigma level, was +2% on the prepared samples.

200115320

C. LABORATORY EFFICIENCY INVESTIGATIONS (F. Dawson)Objective:

To increase the efficiency of ripping cigarettes and filters.

Status:

An electric ripper, purchased from S.O.D.I.M., has been put into use in the Physical Testing Lab. It provides longitudinal slitting of cigarettes, with or without filters attached, and slitting of filters alone. It gives clean cuts, is adjustable to different cutting depths, and can handle up to 100 rods/minute. A second ripper has been ordered for the Gas Chromatography Lab. (See August 14, 1984 memo to J. E. Wickham).

II. BRAND INTRODUCTIONA. LIGGETT GROUP

Generic Products Corporation is distributing Full Flavor Quality 85 and 100 cigarettes. This generic product is manufactured by the Liggett Group.

III. MEMOS AND REPORTS

1. C. F. Dawson to J. E. Wickham, "Automation of Tube Filling for the Nicotine and Water Laboratory," August 8, 1984.
2. C. F. Dawson to J. E. Wickham, "Cigarette and Filter Ripping," August 14, 1984.
3. N. R. Ryan to J. F. Stargardt, "Microscopic Blend Separation - RL Attrition Study," August 10, 1984....
4. G. V. Carter to J. F. Stargardt, "Conditioning for Cylinder Volume (CV) - Cigarettes vs. Loose Filler," August 6, 1984.
5. B. S. Mait to Distribution, "Interim C.I. Highlights Report," August 30, 1984.
6. C. F. Dawson to J. E. Wickham, "Coal Strength of Domestic Brands," August 21, 1984.

JFS:rad

Joyce F Stargardt

2001115321